

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Gregory S. HAMILTON et al.

Title:

N-LINKED SULFONAMIDES OF N-HETEROCYCLIC CARBOXYLIC ACIDS OR CARBOXYLIC ACID

**ISOSTERES** 

Appl. No.:

10/601,607

Filing Date:

06/24/2003

Examiner:

Unassigned

Art Unit:

1625

## INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.56

Commissioner for Patents PO Box 1450 Alexandria, Virginia 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicants bring to the attention of the PTO the documents listed on the attached PTO 1449B. This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application.

Copies of the listed documents were previously submitted to the PTO or cited by the PTO in application no. 09/791,660, filing date 2/26/1, upon which Applicants rely for the benefits provided in 35 U.S.C. § 120 and/or application no. 09/204,236, filing date 12/3/98, upon which Applicants rely for the benefits provided in 35 U.S.C. § 121. Applicants respectfully request that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached forms.

Translations are believed to have been submitted in application no. 09/791,660 and/or application no. 09/204,236 where indicated.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the

documents as prior art against any claim in the application and Applicants determine that any cited document is not "prior art" under United States law, then Applicants reserves the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR § 1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a prima facie art reference against the claims of the present application.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

FOLEY & LARDNER Customer Number: 29728

29728

PATENT TRADEMARK OFFICE

Telephone: Facsimile: (202) 295-4166 (202) 672-5399 Sean A. Passino

Attorney for Applicants Registration No. 45,943 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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		Application Number	10/601,607	· \
INFORMATION DISCLO	CANT	Filing Date	06/24/2003	2 60
STATEMENT BY APPLI		First Named Inventor	Gregory S. Hamilton	3 0 2003 E
Date Submitted: October 3	30, 2003	Group Art Unit	Previously 1625	B
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Chart 1 of	45	Attorney Docket Number	054707-1225	PADMINEN OF

				U.S. PATENT DOCUMENTS	·	Pages, Columns, Lines,
Examiner	Cite No.1	U.S. Patent Do	Kind Code <sup>2</sup> (if	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear
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Examiner	Date Considered
Signature	frame and not

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if <sup>5</sup>English language Translation is attached.

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Substitute for form 1449B/PTO Complete if Known **Application Number** INFORMATION DISCLOSURE 10/601,607 STATEMENT BY APPLICANT Filing Date 06/24/2003 Gregory S. Hamilton **First Named Inventor** Date Submitted: October 30, 2003 Group Art Unit Previously 1625 (use as many sheets as necessary) **Examiner Name** Unassigned OBMARY S Sheet 2 of 45 Attorney Docket Number 054707-1225

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Examiner Signature	Date Considered	
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for form 1449B/PTO DEMONSTRATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: October 30, 2003

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Complete if Known				
Application Number	10/601,607			
Filing Date	06/24/2003			
First Named Inventor	Gregory S. Hamilton			
Group Art Unit	Previously 1625			
Examiner Name	Unassigned			
Attorney Docket Number	054707-1225			

				FOREIGN PATENT DOCUMEN	TS		
Examiner Initials*	Cite No.1	Office <sup>3</sup>	eign Patent Document Number <sup>4</sup> Kind Code (if known)	Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
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Substitute for form 1449B/PTO Complete if Known RADESTATEMENT BY APPLICANT **Application Number** 10/601,607 06/24/2003 **Filing Date** First Named Inventor Gregory S. Hamilton Date Submitted: October 30, 2003 Previously 1625 **Group Art Unit** (use as many sheets as necessary) **Examiner Name** Unassigned Sheet 4 of 45 Attorney Docket Number 054707-1225

				FC	REIGN PATENT DOCUMEN	TS		
Examiner Initials*	Cite No.1	Office <sup>3</sup>	Number (i	nd Code <sup>5</sup> f known)	Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
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Examiner	Date
Signature	Considered

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for	form 1449B/	PTO		Complete if Known	410
			Application Number	10/601,607	4.
INFORMATIO	N DISCLO	CANT		06/24/2003	
				Gregory S. Hamilton	E SP 3
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		NON PATENT LITERATURE DOCUMENTS	
Examiner nitials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
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	A24	17 Hayakawa, Chemical Abstracts, Vol. 90:6088, 1990.	

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				First Named Inventor	Gregory S. Hamilton	2
			30, 2003	Group Art Unit	Previously 1625	F-
			cessary)	Examiner Name	Unassigned	- Comment
(L Sheet	14	of	45	Attorney Docket Number	054707-1225	

		NON PATENT LITERATURE DOCUMENTS	
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	Substitute for form 14 INFORMATION DISC	CLOSURE	Application Number Filing Date	10/601,607 06/24/2003	SFP 20 mg
	STATEMENT BY AF  Date Submitted: Octol		First Named Inventor Group Art Unit	Gregory S. Hamilton Previously 1625	31 30 2003
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xaminer	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
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INFORMATIO	N DISCLO	SURE	Application Number	10/601,607	
STATEMENT BY APPLICANT SEP 3 0 2003 Date Submitted: October 30, 2003		Filing Date	06/24/2003		
		First Named Inventor	Gregory S. Hamilton		
		Group Art Unit	Previously 1625		
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Sheet ADENA 16	of	45	Attorney Docket Number	054707-1225	

Cite No. <sup>1</sup> A266	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
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<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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INEORMATION	DISCLOSURE	Application Number	10/601,607	
STÄREMENT E		Filing Date	06/24/2003	
SEP 3-0 mail Date Submitted: October 30, 2003		First Named Inventor	Gregory S. Hamilton	
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Sheet work 17	of 45	Attorney Docket Number	054707-1225	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
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STATEMENT BY APPLICANT			Filing Date	06/24/2003	
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	Application Number Filing Date First Named Inventor Group Art Unit Examiner Name	Application Number 10/601,607  Filing Date 06/24/2003  First Named Inventor Gregory S. Hamilton  Group Art Unit Previously 1625  Examiner Name Unassigned

		NON PATENT LITERATURE DOCUMENTS	3
caminer itials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
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umber.	Substitute fo	r form 1449B	/PTO		Complete if Known	410
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/601,607	
				Filing Date	06/24/2003	SEP
Date Submitted: October 30, 2003				First Named Inventor	Gregory S. Hamilton	3 17 2000
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A302	Sakurai, Chemical Abstracts, Vol. 98:10774, 1983.	
A303	Condon, Chemical Abstracts, Vol. 96:97142, 1982.	+-
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	A302  A302  A303  A304  A306  A307  A308	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the

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Complete if Known Substitute for form 1449B/PTO 10/601,607 **Application Number** INFORMATION DISCLOSURE 06/24/2003 STATEMENT BY APPLICANT **Filing Date** Gregory S. Hamilton First Named Inventor Date Submitted: October 30, 2003 Previously 1625 3 0 2003 Group Art Unit Unassigned **Examiner Name** (use as many sheets as necessary) 054707-1225 Attorney Docket Number 45 21 Sheet

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······································	A311	Uchiyama, Chemical Abstracts, Vol. 93:145695, 1980.	
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	STATEMENT			Filing Date	06/24/2003		<u>(6)</u>
				First Named Inventor	Gregory S. Hamilton		
	Date Submitted	d: October	30, 2003	Group Art Unit	Previously 1625	SEP	
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Sheet	22	of	45	Attorney Docket Number	054707-1225	<i>C</i> .	

		NON PATENT LITERATURE DOCUMENTS	_
Examiner nitials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T⁰
	A320	Klimek, Chemical Abstracts, Vol. 93:72234, 1980.	
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	A328	Henry, Chemical Abstracts, Vol. 84:31125, 1976.	

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Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	Т <sup>6</sup>
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Complete if Known Substitute for form 1449B/PTO 10/601,607 **Application Number** INFORMATION DISCLOSURE 06/24/2003 Filing Date STATEMENT BY APPLICANT Gregory S. Hamilton First Named Inventor 3 0 2003 Date Submitted: October 30, 2003 Previously 1625 Group Art Unit Unassigned **Examiner Name** (use as many sheets as necessary) 054707-1225 Attorney Docket Number

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	A348	Geigy, Cho	emical	Abstracts,	Vol. 64:	11232h, 19	66.				
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1449B/PTO SCLOSURE APPLICANT	Application Number Filing Date First Named Inventor	10/601,607 06/24/2003 Gregory S. Hamilton	SEP 3 0 20
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	A359	Beilstein Registration Number 89345.				
	A360	Beilstein Registration Number 36650.				
	A361	Beilstein Registration Number 30852.				
	A362	Beilstein Registration Number 30355.				
	A36	3 Beilstein Registration Number 27462.				
	A36	4 Brenner, Chemical Abstracts, Vol. 126:225550, 1997.				

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		NON PATENT LITERATURE DOCUMENTS					
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	A376 A376 A377 A378 A378 A380	Cite No.* Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.  A374 Pinschmidt, Chemical Abstracts, Vol. 89:74314, 1987.  A375 Pinschmidt, Chemical Abstracts, Vol. 88:77582, 1987.  A376 Pinschmidt, Chemical Abstracts, Vol. 107:116414, 1986.  A377 Pinschmidt, Chemical Abstracts, Vol. 107:40526, 1986.  A378 Pinschmidt, Chemical Abstracts, Vol. 87:62109, 1987.  A379 Pinschmidt, Chemical Abstracts, Vol. 87:32322, 1987.			

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				First Named Inventor	Gregory S. Hamilton	SEP 2
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				First Named Inventor	Gregory S. Hamilton	8	<u> </u>
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		NON DATENT LITERATURE DOCUMENTS	
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OIPE Complete if Known Substitute for form 1449B/PTO 10/601,607 **Application Number** INFORMATION DISCLOSURE 06/24/2003 Filing Date STATEMENT BY APPLICANT SEP 3 0 2003 Gregory S. Hamilto First Named Inventor Previously 1625 Date Submitted: October 30, 2003 Group Art Unit Unassigned **Examiner Name** BADEMARK (use as many sheets as necessary) 054707-1225 Attorney Docket Number of 45

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A E 1 0	Craig, Chemical Abstracts, Vol. 128:167337.	
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	A519	Hiroi, Chemical Abstracts, Vol. 127:80935.	
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	A521	Littler, Chemical Abstracts, Vol. 126:157674.	
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	A52	Tingoli, Chemical Abstracts, Vol. 125:247671.	
	A5	26 Kojima, Chemical Abstracts, Vol. 125:316228.	

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		Filing Date First Named Inventor	Gregory S. Hamilton	SEP 3 0 2003
Date Submitted	: October 30, 2003	Group Art Unit Examiner Name	Previously 1625 Unassigned	\$
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Initials*	No.'	Kojima, Chemical Abstracts, Vol. 125:316349.	

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